

ABSTRACT

An apparatus, for use with a portable communications device, producing a visual signal upon ringing. The portable communications device including an outer cover, a main circuit board assembly, a ringing transducer, a power source and a transducer power circuit. The transducer power circuit having a portion physically exposed and electrically conductive to provide contact points. The apparatus includes a substrate and a bus line mounted thereon. The bus line including a pair of conductors, one or more light emitting devices connected to the pair of conductors, and interconnection leads connected to the pair of conductors. A portion of the interconnection leads extends away from the substrate, and has remote end terminals arranged for contact with the contact points of the transducer power circuit. When power is switched on to the transducer power circuit, a ringing signal is produced. As the remote end terminals are electrically connected to the contact points of the transducer power circuit, power is also applied to the bus line, thereby illuminating the light emitting devices. The illumination of the light emitting devices is entirely coincident with the frequency, amplitude and duration of the ringing signal.

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